

ICS 73.060
CCS D 46

YS

**NONFERROUS METALS INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

YS/T 433-2016

Replacing YS/T 433-2001

Silver concentrate

银精矿

(English Translation)

Issued on: July 11, 2016

Implemented on: January 1, 2017

Issued by: Ministry of Industry and Information Technology

Table of Contents

- Foreword
- 1 Scope
- 2 Normative reference documents
- 3 Request
- 3.1 Product Classification
- 3.2 Chemical composition

Foreword

This standard is drafted in accordance with the rules given in GB/T 1.1-2009.

This standard replaces YS/T 433-2001 "Silver Concentrate". This standard compared with YS/T 433-2001, the main changes are as follows.

- increase the product classification, according to the different grades of silver concentrate, divided into three grades;
- silver in the silver concentrate from the original not less than 3000g/t reduced to not less than 2500g/t;
- delete the original standard "process" classification restrictions;
- remove the lead, zinc, copper, bismuth, magnesium oxide, silica, aluminum oxide and other impurity elements of the limited requirements;
- The limit of arsenic is reduced from the original 0.4% to 2.5% - increased natural radioactive limits for non-ferrous metal minerals;
- Sampling method changed from YS/T 96 to GB/T 14263;
- increase the 800kg and other forms of silver and other bags of specific sampling requirements;
- delete the "inspection lot is not greater than 60t" limit;
- increase the appearance of the product quality inspection methods;

To increase the number of samples from the original three to four;

- increase the arbitration results and test results appear to determine the deviation of the method.

This standard is proposed by the National Committee for Standardization of Nonferrous

Metals (SAC/TC243).

The drafting of this standard. Silver Nonferrous Metals Group Co., Ltd., Jinchuan Group Co., Ltd., Nonferrous Metals Technology and Economic Research Institute, Shandong Hengbang Smelting Co., Ltd.

1 Scope

This standard specifies the requirements, test methods, inspection rules and marking, packaging, transportation, storage, quality forecasts and contracts (or Order form) content.

This standard applies to the silver concentrate produced by the flotation method.

2 Normative reference documents

The following documents are indispensable for the application of this document. For dated references, only the dated edition applies to this article Pieces. For undated references, the latest edition (including all modifications) applies to this document.

Representation and Judgment of Numerical Correction Rule and Limit Value of GB/T 8170
GB/T 14263 Bulk flotation copper concentrate sampling, sample preparation method GB
6864 Natural radioactive limits for non-ferrous metal minerals YS/T 418 Nonferrous metal
concentrate product packaging, marking, transportation and storage YS/T 445 (all parts)
Silver concentrate chemical analysis method

3.1 Product Classification

Silver concentrate by chemical composition is divided into a grade, two products, three products.

3.2 Chemical composition

The chemical composition of silver concentrate should meet the requirements of Table 1.

Table 1 Chemical composition of silver concentrate

grade

chemical composition Ag/(g/t), not less than As (mass fraction) /%, not more than First
grade 7500 2.50 Second grade 5000 2.50 Third grade 2500 2.50 Note. the demand side
due to different process, the silver ore containing the price elements, impurity elements, the
main grade of the existence of silver and other special requirements, by the supply and
demand Negotiated.

3.3 The natural radioactive limits of silver concentrates shall comply with the provisions of
GB 20664.

3.4 The amount of water (mass fraction) in silver concentrate should be no more than 12%.

3.5 silver concentrate should not be mixed with foreign debris. The same batch of silver concentrate should be mixed, the color should be consistent.